FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

03 10 531

U.S. Department of Commerce Patent and Trademark Office PATENT

| | | | | • |
|---|---------------------|----------------------|--------------------------|---|
| | RECOR | DATION FORM COV | | |
| TO: The Commissioner of | Dotonto and Tradom | PATENTS ONL | | umant(a) ar cany(ias) |
| Submission Type | ratents and Tradent | Conveyance Typ | | unient(s) of copy(les). |
| X New | | X Assignment | Security Agr | eement |
| Resubmission (Non- Document ID# | Recordation) | License | Change of N | ame |
| Correction of PTO En | Frame # | Merger (Faction | U.S. Governmer | |
| | Frame # | _ <u></u> | artmental File | Secret File |
| Conveying Party(ies) | | Mark if additional r | names of conveying pa | rties attached Execution Date Month Day Ye |
| Name (line 1) TAYLOR, [| Douglas Hamilton | | | 08/17/2001 |
| Name (line 2) Second Party Name (line 1) LYNCH, Br | radley Robert | | | Execution Date Month Day Y |
| Name (line 2) | | | | |
| Receiving Party | | Ma | rk if additional names o | of receiving parties attached |
| Name (line 1) COGENCY | SEMICONDUCTOR | R INC. | | If document to be re is an assignment a receiving party is no |
| Name (line 2) | | | | domiciled in the Un States, an appointm |
| Address (line 1) 362 Terry I | Fox Drive | · | | of a domestic representative is att (Designation must be separate document) |
| Address (line 2) | | | | Assignment.) |
| Address (line 3) Kanata | | Ontario, Canada | K2K 2 | |
| Domestic Represent | ative Name and | Address Enter fo | r the first Receiving Pa | rty only. |
| Name | | | | |
| Address (line 1) | | | | |
| Address (line 2) | | | | |
| Address (line 3) | | | AL AND TO WELL THAT | |
| | | | | |
| Address (line 4) | | | | |

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments , Washington, D.C. 20231

40.00 OP

| FORM | PTO-1619B |
|--------------|-----------|
| Expires 06/3 | 30/99 |
| | |

U.S. Department of Commerce

| Expires 06/30/99 OMB 0651-0027 | | Page 2 | Patent and Trademark Office PATENT |
|-----------------------------------|--|--|---|
| Correspond | dent Name and Address | Area Code and Telephone Numl | ber 613 230 6072 |
| Name | Swabey Ogilvy Renault | | |
| Address (line 1) | 1981 McGill College Avenue | | |
| Address (line 2) | Suite 1600 | | |
| Address (line 3) | Montreal, Quebec | | |
| Address (line 4) | H3A 2Y3 | | |
| Pages | Enter the total number of princluding any attachments | pages of the attached conveyance dos. | ocument # 1 |
| | Number(s) or Patent Nu | · · · · · · · · · · · · · · · · · · · | ark if additional numbers attached |
| | | e Patent Number (DO NOT ENTER BOTH num | nbers for the same property). atent Number(s) |
| - Fa | tent Application Number(s) | | atent Number(s) |
| | | | |
| | | | |
| K this document | | | plication was Month Day Year |
| | is being flied together with a <u>new.</u> Parst named executing inventor. | atent Application, enter the date the patent app | 08/17/2001 |
| Patent Coop | peration Treaty (PCT) | PCT PCT | PCT |
| | er PCT application number | | |
| | <u>y if</u> a U.S. Application Numb s not been assigned. | PCT PCT PCT | PCT |
| Number of I | Properties Enter the t | total number of properties involved. | # 1 |
| Fee Amoun | t Fee Amoun | nt for Properties Listed (37 CFR 3.4 | 1): \$ 40.00 |
| | of Payment: End | closed 🗴 Deposit Account |] |
| • | | dditional fees can be charged to the account.) Deposit Account Number: | # 19-5113 |
| | | Authorization to charge additional fees | s: Yes X No |
| Statement a | and Signature | | |
| attach | | belief, the foregoing information is to e original document. Charges to dep | |
| | Max R. Wood | Dy Wand | 08/20/2001 |
| Name | e of Person Signing | Signature | Date |

ASSIGNMENT OF INVENTION UNIVERSAL

WHEREAS, I/WE, Douglas Hamilton TAYLOR and Bradley Robert LYNCH, of 17 Stikine Drive, Kanata, Ontario, K2T 1H1, Canada and 3-318 Waverly St., Ottawa, Ontario, K2P 0W3, Canada, respectively, am/are named as inventor(s) in an invention relating to METHOD AND APPARATUS FOR CONSTRUCTING A SUBCARRIER MAP and described in a patent application executed on August 17, 2001 and:

WHEREAS, Cogency Semiconductor Inc. of 362 Terry Fox Drive, Kanata, Ontario, K2K 2P5, Canada (hereinafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in and to said invention or inventions and in and to any and all patents to be obtained therefore;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, I/We have and by these presents do hereby sell, assign and transfer unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, continuation-in-part, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and I/We hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

I/We further agree without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference, litigation or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon my/our heirs, legal representatives, administrators and assigns.

EXECUTED at

Kanata, Ontario, Canada

this 17 day of AUGUST

, 2001, in the presence of the undersigned witness.

WITNESS:

Douglas Hamilton TAYLOF

WITNESS:

Brad LYNCH (Bradley Robert LYNCH)